

Section 302. AGGREGATE BASE COURSES

302.01 Description. Construct an aggregate base course on an approved surface.

302.02 Materials. Materials shall meet the following requirements.

Dense-Graded Aggregate 21AA, 21A, 22A 902

Aggregate gradation shall be as specified on the plans.

302.03 Construction.

- A. **Placing and Compacting.** The supplier must furnish a ticket with each load which states the project number, aggregate source, aggregate series, date, time, truck identifier number, gross weight, tare weight (trucks shall be tared at least twice daily), net weight to the nearest 100 pounds, name of supplier, and type of aggregate approval.

The aggregate shall have a uniform gradation and shall be free from contamination when placed. Do not place aggregate base on frozen, soft, unstable or rutted subgrade, subbase, or aggregate base. Additives may be used at the option of the Contractor to facilitate compaction, shaping, and maintenance of the aggregate surface. The manner of spreading shall be such that the subbase material or aggregate base will not become rutted or distorted.

The compacted depth of any layer shall not exceed 6 inches in uniform thickness. Each layer of aggregate shall be compacted to not less than 98 percent of the maximum unit weight at a moisture content not greater than optimum for aggregate base under HMA mixtures. Aggregate base under concrete pavements shall be compacted to not less than 95 percent of the maximum unit weight at a moisture content not greater than optimum. The finished surface and the layer thickness shall be shaped to the crown and grade within a tolerance of $\pm \frac{1}{2}$ inch.

Remove, dispose of and replace aggregate base material should it become mixed with subbase or subgrade material, at the Contractor's expense.

- B. **Conditioning Aggregate Base.** The finished surface of the existing aggregate base course shall be shaped to the required grade and cross section, within a tolerance of $\pm \frac{1}{2}$ inch. Additional aggregate may be required to obtain the required grade or cross section. Where the existing surface is irregular or where additional material is required, the loose and compacted materials will be mixed to a minimum depth of 2 inches and recompact. The aggregate base will be compacted to not less than 98 percent of the maximum unit weight for HMA pavements and 95 percent of the maximum unit weight for concrete pavements at a moisture content not greater than optimum.
- C. **Maintenance During Construction.** The completed aggregate base course shall be maintained in an uncontaminated, smooth, compacted condition, substantially true to line, grade, and cross section until the next layer is placed.

If the subgrade, subbase, or aggregate base becomes damaged due to the Contractor's operations or by traffic, restoration to the specified condition will be required at the Contractor's expense.

302.04 Measurement and Payment.

Contract Item (Pay Item)	Pay Unit
Aggregate Base	Ton
Aggregate Base, LM	Cubic Yard
Aggregate Base, __ inch	Square Yard
Aggregate Base, Conditioning	Station, Square Yard

- A. **Aggregate Base** will be measured by weight; the pay weights for aggregates will be the scale weight of the material, including admixtures, unless the moisture content is more than 6 percent. Moisture tests will be made at the start of weighing operations and at any time thereafter when construction operations, weather conditions or any other cause may result in a change in the moisture content of the material. If the tests indicate a moisture content in excess of 6 percent, the excess over 6 percent will be deducted from the scale weight of the aggregate until such time as moisture tests indicate that the moisture content of the material is not more than 6 percent. The determination of moisture content and pay weights will be as specified in section 109.
- B. **Aggregate Base, LM** will be measured based on hauling unit dimensions and load count, prior to placement and compaction. Payment includes all costs for furnishing, hauling, placing, compacting (including water), and shaping the material at specified locations.
- C. **Aggregate Base, __ inch** will be measured by width and length, for the specified depth, as shown on the plans.
- D. **Aggregate Base, Conditioning** when paid by length in stations, will be measured along the construction centerline of the roadway. **Aggregate Base, Conditioning** when paid by area, will be measured by width and length as shown on the plans.
- E. When the pay item **Aggregate Base, Conditioning** is not included, payment shall be included in other aggregate base pay items. Additives and water used to obtain compaction and for maintenance of the surface will be paid for as part of other aggregate base pay items.